

50Ω Semi-rigid Coaxial Cable	.141AL-C-L-50		
DIMENSIONS			
Center Conductor Diameter			
(inch)	0.0403±0.0001		
(mm)	1.024 ± 0.025		
Dielectric Diameter			
(inch)	0.1175±0.002		
(mm)	2.984 ±0.0508		
Outer Conductor Diameter			
(inch)	0.141±0.002		
(mm)	3.581±0.0508		
MATERIAL SPECIFICATIONS			
Outer Conductor	Tin Plated Aluminium		
Dielectric	Low Density PTFE		
Center Conductor	SPC		
ELECTRICAL CHARACTERISTICS			
Impedance	50±2		
Capacitance (Nominal)			
(pF/ft)	26.6		
(pF/m)	87.3		
Corona Extinction Voltage			
(VRMS 60Hz)	1900		
Voltage Withstanding			
(VRMS 60Hz)	5000		
Cut off Frequency (GHz)	36		
Typical Attenuation	Attenuation		Power
Average Power (Watts CW) at 20°C and Sea Level	dB/ 100Ft		dB/ 100M
0.5GHz	8		26.2
1GHz	11		36.1
5GHz	25		82
10GHz	36		118.1
20GHz	52		170.6
26.5GHz	61		200
MECHANICAL CHARACTERISTICS			
Max. Operating Temperature (°C)	250		
Min. Inside Bend Radius			
(inch)	0.500		
(mm)	12.7		
Weight			
(g/Ft)	8.15		
(g/M)	26.7		

This part number complies with RoHS.

Notice: JYBAO reserves the right to make modifications deemed appropriate.